

1 1. A portable, refillable water dispenser serving batches of water purified of both organic and
2 inorganic pollutants, comprising:

3 a portable, refillable and hand-holdable vessel for holding and pouring water having a
4 spout and, inside the portable, refillable and hand-holdable vessel, moving water and still water
5 processing modules cooperative to remove inorganic and organic pollutants from water received
6 batchwise by said vessel;

7 said module processing moving water disposed inside the vessel is adapted to receive
8 water to be processed batchwise, and is further adapted to cause the water to be processed
9 received batchwise to move through a flow-through filter to remove inorganic impurities and
10 then out of said module; and

11 said module processing still water disposed inside the vessel is adapted to receive the
12 water that flows out said module processing moving water and to contain it batchwise as a body
13 of still water in fluid communication with said spout of said vessel, and is further adapted to
14 provide UV radiation that is omnipresent to every region of said body of still water contained
15 batchwise therein with an intensity and a duration to neutralize organic impurities at every region
16 of said body of still water contained batchwise therein; whereby, water to be processed received
17 batchwise from which inorganic impurities have been removed and in which organic impurities
18 have been neutralized may be dispensed batchwise through said spout of said portable, refillable
19 and hand-holdable vessel.

1 2. The portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic pollutants of claim 1, wherein the hand-holdable vessel includes a pitcher with an open

mouth and side and bottom walls that enclose a basin for containing and pouring still water, a handle to one side of the pitcher and a lid removably mounted to said open mouth of said pitcher.

3. The portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants of claim 2, wherein said module processing moving water includes a bucket mounted inside said pitcher with its mouth in fluid communication with said mouth of said pitcher having an ion exchange and activated carbon flow-through filter bed that is fed by gravity action with water to be processed that is poured batchwise into said bucket all at once.

4. The portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants of claim 2, wherein said module processing still water includes a single UV line radiator upstanding in, and centrally disposed within, said basin of said pitcher, and a controller carried by the pitcher operatively coupled to the UV line radiator that includes a control panel and user interface located on the handle.

5. The portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants of claim 4, wherein said controller is battery-powered.

6. The portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants of claim 2, wherein said removable lid includes a fill opening, and a louvered disc valve that permits water be received through said fill opening while blocking direct viewing of UV radiation within said pitcher.

1 7. A portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic impurities, comprising:

3 a water pitcher having an open top, side and bottom walls enclosing a basin for holding
4 still water, a spout in fluid communication with the basin for pouring water, and a removable lid
5 mounted to the open top of the pitcher;

6 a moving water processing module including a bucket mounted inside the water pitcher
7 having an open top in fluid communication with the open mouth of the pitcher and having side
8 and bottom walls that enclose a volume whose capacity, when filled, accepts a batch of water to
9 be treated that is poured all at once thereinto, a flow-through filter removably mounted to said
10 bucket bottom wall that is fed with the water of each batch of water by action of gravity, said
11 flow-through filter adapted to remove inorganic impurities as said water flows therethrough and
12 to streamwise discharge that water into said basin; and

13 a still water processing module including a UV line radiator upstanding in, and centrally
14 disposed within, the basin of the pitcher connected to a controller and control panel and user
15 interface carried by the pitcher operative in response to UV treatment sequencing initiation
16 control input after all of the water of a batch of water has been discharged streamwise from the
17 moving water processing module and received by the basin of the pitcher which contains it
18 batchwise as a body of still water to provide UV radiation that is omnipresent to every region of
19 the body of still water contained batchwise by the basin with an intensity and a duration to
20 neutralize organic impurities at every region of the body of still water contained batchwise by the
21 basin, and, thereafter, to provide a signal indication at the control panel and user interface that a

22 batch of water purified of organic and inorganic pollutants is ready to be served through the spout
23 of the pitcher.

1 8. The portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic pollutants of claim 6, wherein the removable lid includes a fill opening therethrough,
3 and a mechanism cooperative therewith to allow water to be received through said fill opening
4 but to block direct viewing of UV radiation within said pitcher.

1 9. The portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic pollutants of claim 8, wherein said mechanism includes a louvered disc valve.

1 10. The portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic pollutants of claim 7, wherein said flow-through filter is an ion exchange and activated
3 carbon flow-through filter.

1 11. The portable, refillable water dispenser serving batches of water purified of organic and
2 inorganic pollutants of claim 7, further including a lid seat sensing switch mounted to the
3 removable lid connected to said controller to disable the UV line radiator in the basin of the
4 pitcher when the removable lid is off of the pitcher.

12. The portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants of claim 7, wherein the controller monitors the time since it was last actuated, and if a predetermined time elapses since it was last actuated, it provides a signal indication at the control panel and user interface to retreat the batch of water.

13. A portable, refillable water dispenser serving batches of water purified of both organic and inorganic pollutants, comprising:

a portable, refillable standalone unit for receiving, holding, and dispensing water having a water outlet and, inside said unit, moving water and still water processing modules cooperative to remove inorganic and organic pollutants from water received batchwise by said unit;

said module processing moving water disposed inside said unit is adapted to receive water to be processed batchwise, and is further adapted to cause the water to be processed received batchwise to move through a flow-through filter to remove inorganic impurities and then out of said module; and

said module processing still water disposed inside said unit is adapted to receive the water that flows out said module processing moving water and to contain it batchwise as a body of still water in fluid communication with said water outlet of said unit, and is further adapted to provide UV radiation that is omnipresent to every region of said body of still water contained batchwise therein with an intensity and a duration to neutralize organic impurities at every region of said body of still water contained batchwise therein; whereby, water to be processed received batchwise from which inorganic impurities have been removed and in which organic impurities

17 have been neutralized may be dispensed batchwise through said water outlet of said portable,
18 refillable standalone unit.

1 14. The portable, refillable water dispenser serving batches of water purified of both organic and
2 inorganic pollutants of claim 13, wherein said portable refillable standalone unit is a pitcher-type
3 point of use water purifier.